**Git and Git Hub Assignment** – 1

Q.1 - What is Git ?

Ans.1 - Git is a Version Control System it is used to track all the changes of the code before and after the deployment also. because a software or a website is created by the two or more developers in two or more phases so in developing phase the interchanging of different part of code is necessary it all happens in a common repository.

Q.2 - What do you understand by the term Version Control System ?

Ans.2 – When a Software/ website is in the developing phase different coders update code timely and at every update in the code creates a new version of the software, so ultimately how many times we update the code we create every time a new version so to control all the version to select the best version of a software we use version control system. It is basically a tool or a way to control all the updates of the code.

Q.3 - What is GitHub ?

Ans.3 – Git Hub is Basically a Remote Repository which is used to exchange the updating in code to different developers. It Provides a repository that may be public or private from this all-authorized person are get the code and updates.

Q.4 – Mention Some popular Git Hosting Services ?

Ans.4 – GitHub , Gitlab , Bitbucket .

Q.5 – Different types of Version Control System ?

Ans.5 – There are 3 types of Version Control System (VCS)

* Local Version Control System
* Centralized Version Control System
* Distributed Version control System

Q.6 - What benefits come with Git ?

Ans.6 – By Using git use can track all the progress of the code which is done by the different developers at same time by using git you can work on the different branch of the code .

Q.7 - What is a Git Repository ?

Ans.7 – It is a centralized Remote Repository which kept the status of the code up to date . By using This repo so many developers work on a same project and track all the updates of the code .

Q.8 – How can you initialize a repository in Git ?

Ans.8 – By using Git init Command .